Student	Name	$\Delta \cap$
Teacher	Name —	
School		
System		





Mathematics



Part 1

1 Which list shows fractions in order from <u>least</u> to <u>greatest</u>?

$$A_{\frac{1}{4},\frac{1}{2},\frac{1}{5}}$$

$$B\frac{1}{2},\frac{1}{4},\frac{1}{5}$$

$$C\frac{1}{5}$$
, $\frac{1}{4}$, $\frac{1}{2}$

$$D\frac{1}{4}$$
, $\frac{1}{5}$, $\frac{1}{2}$

2 Which number sentence is true?

A
$$(2+7)+4=2+(7+4)$$

B
$$(2+7)+4=(2+7)+(2+4)$$

C
$$(2+7)+4=(2\times7)+(2\times4)$$

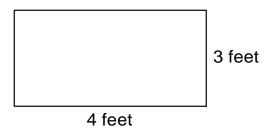
D
$$(2+7)+4=2\times(7\times4)$$

- 3 Mr. Johnson used a thermometer to complete a task. Which could be the task Mr. Johnson completed using a thermometer?
 - A measuring the amount of water in a cup
 - B measuring the temperature in a room
 - C measuring the height of a student
 - D measuring the weight of a box

4 A number sentence is shown below.

Which number sentence is in the same fact family?

- A -8=56
- **B** 8 + = 56
- C 8**×**56=
- D $56 \div = 8$
- 5 Mrs. Haug built a fence around her garden. The length and width of her garden are shown below.



What is the perimeter of the fence Mrs. Haug built?

- A 14 feet
- B 12 feet
- C 10 feet
- D 7 feet

6 A group of gray plates is shown below.



Which fraction represents the part of the group that is gray?

- A $\frac{1}{10}$
- B $\frac{2}{5}$
- C $\frac{10}{10}$
- $D \quad \frac{10}{2}$

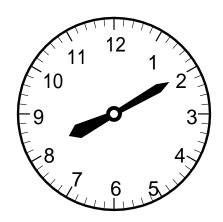
- Yesterday, 322 people entered a store. Today, 795 people entered the store. Exactly how many more people entered the store today than yesterday?
 - A 472
 - B 473
 - C 572
 - D 573
- 8 Use the inch side of your ruler to help you solve this problem.

The line segment below shows the length of a bracelet.

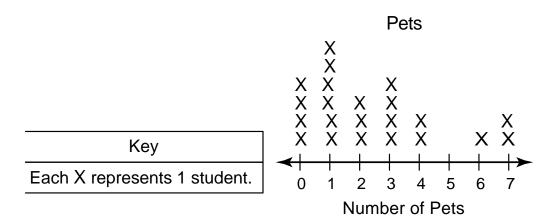


- A $13\frac{1}{2}$ inches
- B $12\frac{1}{2}$ inches
- C 6 inches
- D 5 inches

9 The clock below shows the time Tina stopped working on her science project.



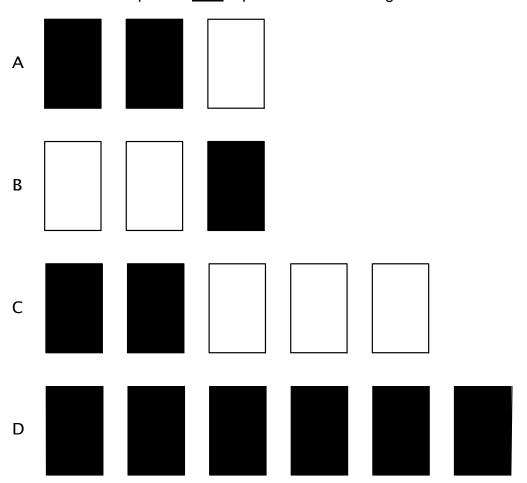
- Tina worked on this project for 45 minutes. At what time did Tina start working on her science project?
- A 7:25
- B 7:35
- C 8:45
- D 8:55



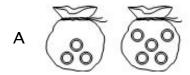
Exactly how many students have at least 3 pets?

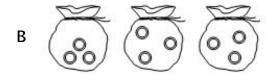
- A 4
- B 5
- C 9
- D 13

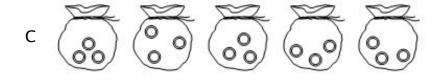
A set of game cards has only black and white cards. Two-thirds of the cards in the set are black. Which picture <u>best</u> represents this set of game cards?

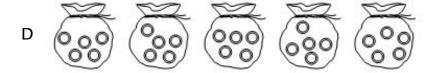


- 12 What is the value of the 9 in the number 91,873?
 - A 90,000
 - B 9,000
 - C 900
 - D 90
- 13 Yesterday Patrick walked 12 laps around a track. Today he walked 6 laps around the track. Which number sentence could be used to find the difference between the numbers of laps Patrick walked on these two days?
 - $A \quad 6 \times \boxed{= 12}$
 - B 12 6 =
 - C 12 + 6 =
 - D ÷ 12= 6

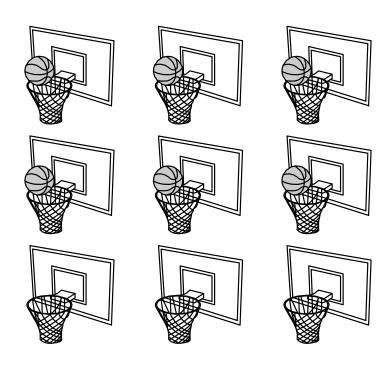








This picture shows $\frac{6}{9}$ of the baskets with a basketball.



Which fraction is equivalent to $\frac{6}{9}$?

- A $\frac{1}{9}$
- $B = \frac{1}{3}$
- $C = \frac{1}{2}$
- $D = \frac{2}{3}$

- 16 Christopher has one window in his room.
 - The window has exactly 4 angles.
 - The window has 2 sets of congruent sides.

Which of these could be the shape of Christopher's window?

- A triangle
- B octagon
- C rectangle
- D trapezoid

17 The table below shows the prices of tickets and a parking pass for a festival.

Festival Prices

Item	Price
Senior Ticket	\$10
Adult Ticket	\$14
Child Ticket	\$9
Parking Pass	\$6

Candace will pay for 2 adult tickets, 2 child tickets, and 1 parking pass. What is the total amount of money Candace will pay for these tickets and parking pass?

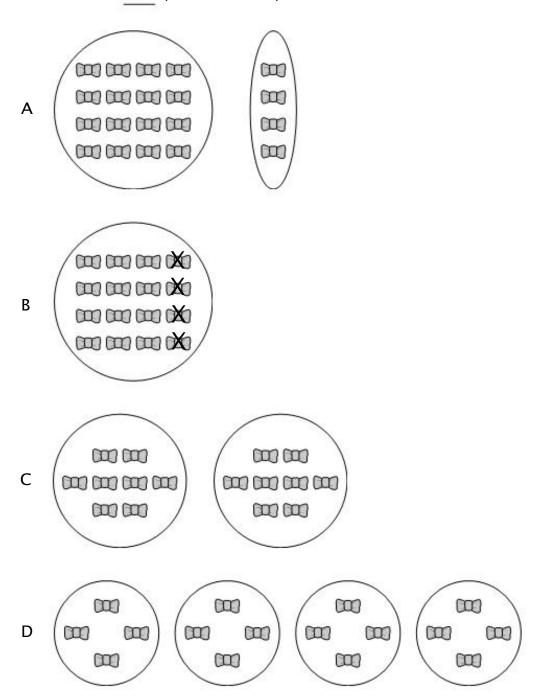
- A \$22
- B \$29
- C \$39
- D \$52



Which fraction best represents the part of the group of socks that is black?

- A $\frac{1}{4}$
- $B = \frac{4}{6}$
- $C = \frac{4}{4}$
- $D = \frac{4}{2}$

- Four out of ten students in a science club are boys. Which fraction shows another way to write four out of ten?
 - $A \quad \frac{10}{4}$
 - $B \qquad \frac{4}{4}$
 - $C = \frac{4}{6}$
 - D $\frac{4}{10}$



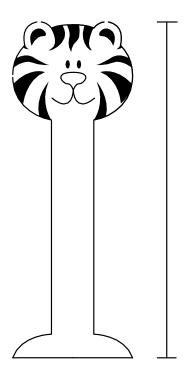
- A ÷3=24
- B 6× =42
- C 32 ÷ = 4
- D ×0=8

Part 2

22 Greg wrote this number sentence in his math journal.

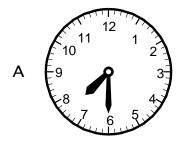
- Which number sentence could Greg use to correctly solve this problem?
- A 32= ×8
- C 32×8 =
- D 32 + 8 =
- A loaf of bread weighs about one pound. Which item could also weigh about one pound?
 - A a toothbrush
 - B a textbook
 - C a feather
 - D a pen
- There were 52,796 babies born in Tennessee one year. What is the value of the 7 in the number 52,796?
 - A 70
 - B 700
 - C 7,000
 - D 70,000

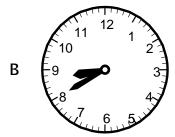
A picture of a bookmark is shown below.

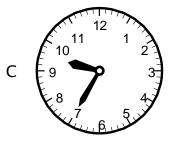


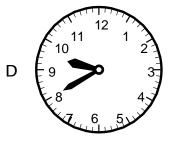
What is the length of this picture, to the nearest half inch?

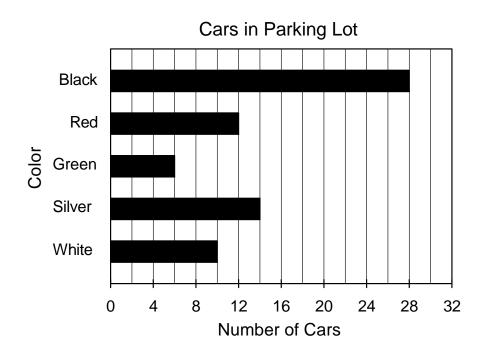
- A $3\frac{1}{2}$ inches
- B $4\frac{1}{2}$ inches
- C 9 inches
- D 10 inches











Based on the graph, what is the total number of cars Xander saw in this parking lot?

- A 50
- B 64
- C 70
- D 76



Which term describes the shaded polygon?

- A trapezoid
- B pentagon
- C hexagon
- D octagon

29 Which number goes in the

to make the equation true?

- A 54
- B 56
- C 63
- D 72

30 Which picture correctly models 4 x 3?

Α



C



R



Г



31 The model below is shaded to represent a fraction.



Which model is shaded to represent an equivalent fraction?

- A | | | | | |
- В
- c | | | | | |
- D
- Which number goes in the to make the number sentence true?

- A 48
- B 32
- C 6
- D 5

- A 4
- B 5
- $C = \frac{3}{6}$
- D $\frac{3}{7}$

34 Ella filled four objects with water. Which of the objects Ella filled could be measured in gallons?

Α

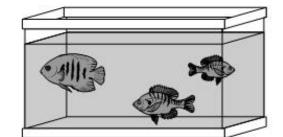


C

D







- Felicia has 20 pages of stickers. Each page has 10 stickers. Which expression can be used to find the total number of stickers Felicia has on these pages?
 - A 20×10
 - B 20 ÷ 10
 - C 20 10
 - D 20 + 10

The graph below shows the number of pictures taken by four people at a picnic.

Pictures Taken at a Picnic

Key			
= 10 pictures			

Name	Number Taken				
Hilda	O				
Gino					
Krista					
Enrique					

According to the graph, what is the total number of pictures taken by these four people?

- A 80
- B 95
- C 105
- D 110

Fish

Type of Fish	Number Caught
Carp	89
Trout	172

How many more trout were caught than carp?

- A 261
- B 193
- C 117
- D 83

Vincent put 3 cups of pasta into each salad he made. He put a total of 18 cups of pasta into the salads. Which number sentence could be used to find the number of salads Vincent made?

- A $18 \div \boxed{} = 3$
- B $18 \boxed{} = 3$
- C 18 + 3 =
- D 18**x**3 =

Books for Reading Project

Key		
= 4 books		

Student	Number of Books
Donovan	
Sienna	
Heather	
Travis	
Marsha	

Based on the graph, what is the total number of books used by these five students?

- A 12
- B 14
- C 48
- D 52
- 40 A librarian put 40 books on each of 10 shelves. Exactly how many books did the librarian put on these shelves?
 - A 40
 - B 50
 - C 400
 - D 500

- The pizza was divided into equal-sized slices.
- Some of the slices were topped with pepperoni, but not all of them.

Which fraction could represent the part of the pizza that was topped with pepperoni?

- A $\frac{3}{10}$
- B $\frac{10}{10}$
- $C = \frac{10}{7}$
- D $\frac{10}{1}$

42 Landon bought a jar of pickles, like the one shown below.

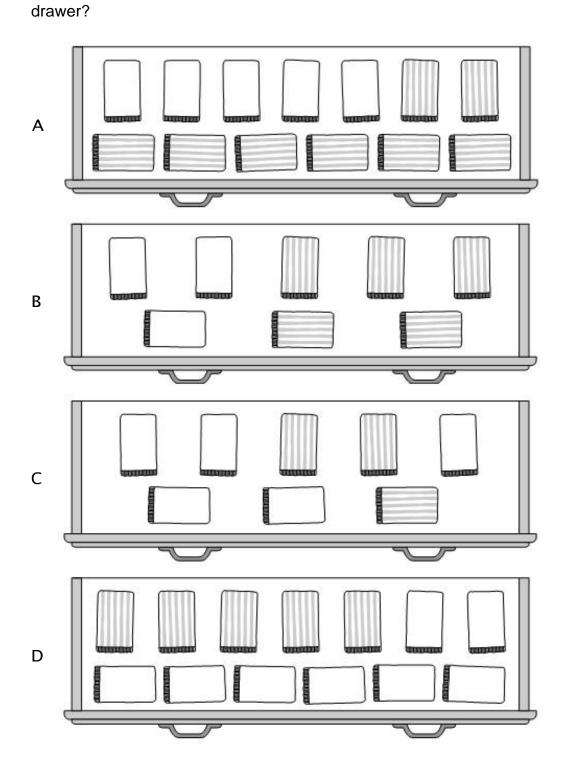


Which unit of measure is best to use when measuring the height of this jar?

- A yard
- B inch
- C mile
- D foot

- 43 Which number sentence correctly shows the commutative property?
 - A $(6 + 4) + 1 = 6 + (4 \times 1)$
 - B $(6 + 4) + 1 = 6 \times (4 + 1)$
 - C $(6 + 4) + 1 = (4 \times 6) \times 1$
 - D (6 + 4) + 1= (4 + 6) + 1
- 44 Multiply: 8**x**3=
 - A 24
 - B 21
 - C 16
 - D 11

A drawer contains solid white towels and striped towels. The fraction of the towels in the drawer that are solid white is $\frac{5}{8}$ Which picture best represents the towels in this





Mathematics Answer Key

Question	SPI	Answer	Question	SPI	Answer
1	2.13	С	24	2.2	В
2	3.1	A	25	4.6	A
3	1.7	В	26	1.2	D
4	2.8	D	27	5.2	С
5	4.4	A	28	4.1	В
6	2.12	С	29	2.6	С
7	2.9	В	30	2.5	В
8	4.6	D	31	2.10	В
9	1.2	A	32	3.3	D
10	5.1	С	33	2.13	A
11	2.11	A	34	4.5	D
12	2.2	A	35	1.5	A
13	3.2	В	36	5.1	В
14	1.5	С	37	2.9	D
15	2.10	D	38	3.2	A
16	4.1	C	39	5.2	D
17	5.2	D	40	2.7	С
18	2.11	В	41	2.12	A
19	1.4	D	42	1.7	В
20	2.5	D	43	3.1	D
21	3.3	С	44	2.6	A
22	2.8	A	45	1.4	С
23	4.5	В			

Tennessee Comprehensive Assessment Program



Achievement Test ~ Grade 3

Practice Test

Version B